

I CLAIM:

1. A system for producing virtual camera motion in a motion picture medium comprising:

an array of cameras deployed along a preselected path with each camera focused on a common scene;

5 means for triggering each of said cameras to simultaneously record a still image of said scene; and

means for transferring said images from said cameras in a preselected order along said path onto a sequence of frames in said motion picture medium.

2. The system of claim 1, wherein said camera records said image on photographic film.

3. The system of claim 1, wherein said camera comprises a video camera that electronically records said image as a video frame.

4. The system of claim 1, wherein said motion picture medium comprises video tape.

5. The system of claim 1, wherein said motion picture medium comprises motion picture film.

6. The system of claim 1, wherein said system further comprises means for moving said system in a predetermined direction during recordation of said images, whereby said images embody a blur caused by said moving system.

7. A system for producing virtual camera motion in a motion picture medium comprising:

a two-dimensional array of cameras with each camera focused on a common scene;

5 means for triggering each of said cameras to simultaneously record a still image of said scene; and

means for transferring said images from a selected sequence of said cameras along a selected path in said two-dimensional array to produce a sequence of frames in said motion picture medium.

8. The system of claim 7, wherein said camera records said image on photographic film.

9. The system of claim 7, wherein said camera comprises a video camera that electronically records said image as a video frame.

10. The system of claim 7, wherein said motion picture medium comprises video tape.

11. The system of claim 7, wherein said motion picture medium comprises motion picture film.

12. A system for producing virtual camera motion in a motion picture medium comprising:

a strip of photographic film;

5 a first magazine for holding said photographic film prior to exposure;

a second magazine for holding said photographic film after exposure;

10 an array of cameras deployed along a preselected path with each camera having a focal plane and a lens assembly for focusing an image of a common scene onto said focal plane;

means for triggering each of said cameras to simultaneously record a still image of said scene by exposing a portion of said film along said focal plane;

15 film feeding means for feeding said strip of film from said first magazine through each of said cameras so that a portion of said film is disposed at said focal plane of each camera, and for feeding said strip of film from each of said cameras into said second magazine; and

20 means for transferring said images from said film in a preselected order along said path onto a sequence of frames in said motion picture medium.

13. The system of claim 12, wherein said film feeding means further comprises means for advancing said film from said magazine through said camera by a predetermined increment after said cameras have been triggered.

14. The system of claim 12, wherein said motion picture medium comprises motion picture film.

15. The system of claim 12, wherein said motion picture medium comprises video tape.

16. A system for producing virtual camera motion in a motion picture medium comprising:

an array of video cameras deployed along a preselected path with each camera focused on a common scene;

5 means for triggering each of said video cameras to simultaneously store a still image of said scene in a video frame; and

processor means for receiving said video frames from said video cameras and for generating said motion picture medium containing said images from a series of said video frames in a
10 preselected order along said path.

17. The system of claim 16, wherein said motion picture medium comprises motion picture film.

18. The system of claim 16, wherein said motion picture medium comprises video tape.

19. The system of claim 16, wherein said array of video cameras is two dimensional, and wherein said processor means transfers video frames from a selected sequence of said video cameras along a selected path in said two-dimensional array to generate a sequence
5 of frames in said motion picture medium.

20. The system of claim 16, wherein each of said video cameras in said array stores images of said scene over time in a series of said video frames, and wherein said processor means transfers video frames in a selected sequence from said video cameras to generate a
5 time sequence of frames in said motion picture medium.